

APPLN. FILING DATE: JULY 21, 2003
TITLE: DISPLAY APPARATUS
INVENTOR(S): CLAUDE WEISBUCH ET AL.
APPLN. NO.: 10/622,448
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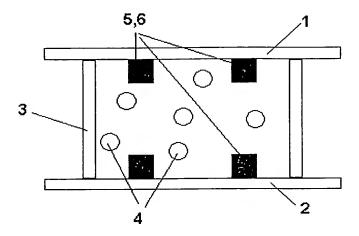


FIG. 1

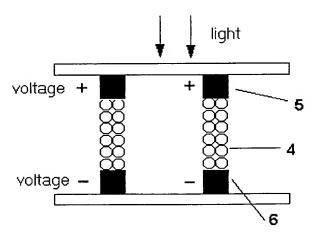
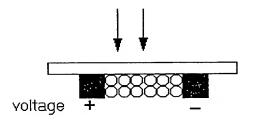


FIG. 2

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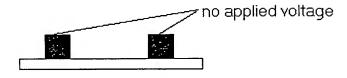


FIG. 3

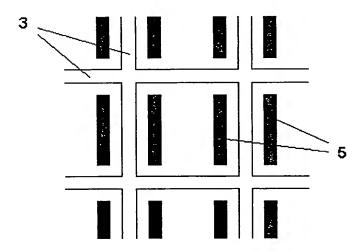
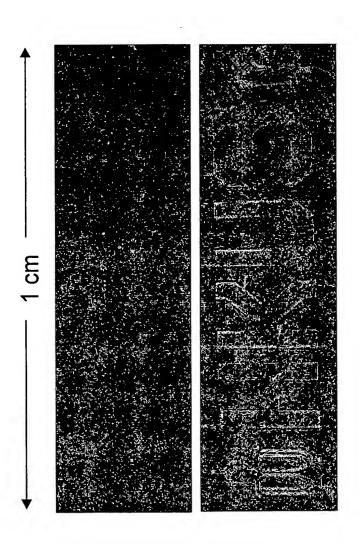


FIG. 4

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Pictures taken for a real prototype:

Upper panel: Electric field off Lower panel: Electric field on. Field strength= 40 V/mm. BaTiO₃ particles (50nm diameter) suspended in silicone oil

FIG. 5 (a)

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Another picture showing that the ER particles aggregate forming a particular pattern Electric field ~ 30 to 50 V/mm

FIG. 5 (b)